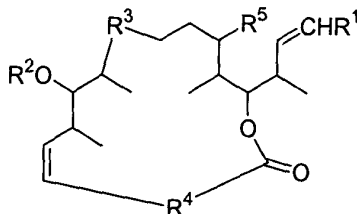


ABSTRACT OF THE DISCLOSURE

A compound of the following structure:



wherein R^i is H, an alkyl group, an aryl group, an alkenyl group, an alkynyl group, or a halogen atom;

R^2 is H, an alkyl group, an aryl group, a benzyl group, a trityl group, $-\text{SiR}^a\text{R}^b\text{R}^c$, CH_2OR^d , or COR^e ;

R^a , R^b and R^c are independently an alkyl group or an aryl group;

R^d is an alkyl group, an aryl group, an alkoxyalkyl group, $-\text{R}^i\text{SiR}^a\text{R}^b\text{R}^c$ or a benzyl group, wherein R^i is an alkylene group;

R^e is an alkyl group, an allyl group, a benzyl group, an aryl group, an alkoxy group, or $-\text{NR}^g\text{R}^h$, wherein R^g and R^h are independently H, an alkyl group or an aryl group;

R^3 is $(\text{CH}_2)_n$ where n is an integer in the range of 0 to 5, $-\text{CH}_2\text{CH}(\text{CH}_3)-$, $-\text{CH}=\text{CH}-$, $-\text{CH}=\text{C}(\text{CH}_3)-$, or $-\text{C}\equiv\text{C}-$;

R^4 is $(\text{CH}_2)_p$ where p is an integer in the range of 4 to 12, $-(\text{CHR}^{k1})_{y1}(\text{CHR}^{k2})_{y2}(\text{CHR}^{k3})_{y3}(\text{CHR}^{k4})_{y4}(\text{CHR}^{k5})_{y5}\text{C}(\text{R}^{s1})=\text{C}(\text{R}^{s2})\text{C}(\text{R}^{s3})=\text{C}(\text{R}^{s4})-$, $-(\text{CHR}^{k1})_{y1}(\text{CHR}^{k2})_{y2}(\text{CHR}^{k3})_{y3}(\text{CHR}^{k4})_{y4}(\text{CHR}^{k5})_{y5}\text{CH}(\text{R}^{s1})\text{CH}(\text{R}^{s2})\text{C}(\text{R}^{s3})=\text{C}(\text{R}^{s4})-$, $-(\text{CHR}^{k1})_{y1}(\text{CHR}^{k2})_{y2}(\text{CHR}^{k3})_{y3}(\text{CHR}^{k4})_{y4}(\text{CHR}^{k5})_{y5}\text{C}(\text{R}^{s1})=\text{C}(\text{R}^{s2})\text{CH}(\text{R}^{s3})\text{CH}(\text{R}^{s4})-$, $-(\text{CHR}^{k1})_{y1}(\text{CHR}^{k2})_{y2}(\text{CHR}^{k3})_{y3}(\text{CHR}^{k4})_{y4}(\text{CHR}^{k5})_{y5}\text{CH}(\text{R}^{s1})\text{CH}(\text{R}^{s2})\text{CH}(\text{R}^{s3})\text{CH}(\text{R}^{s4})-$,

wherein $y1$ and $y2$ are 1 and $y3$, $y4$ and $y5$ are independently 0 or 1, R^{k1} , R^{k2} , R^{k3} , R^{k4} and R^{k5} are independently H, CH_3 , or OR^{2a} , and R^{s1} , R^{s2} , R^{s3} , and R^{s4} are independently H or CH_3 , wherein R^{2a} is H, an alkyl group, an aryl group, a benzyl group, a trityl group, $-\text{SiR}^a\text{R}^b\text{R}^c$, CH_2OR^d , or COR^e ; and

R^5 is H or OR^{2b} , wherein R^{2b} is H, an alkyl group, an aryl group, an aryl group, a benzyl group, a trityl group, $-\text{SiR}^a\text{R}^b\text{R}^c$, CH_2OR^d , or COR^e ; provided that the compound is not dictyostatin 1.